

Serial No. 10/580,811  
Resp. dated September 8, 2009  
Reply to Office Action of May 5, 2009

PATENT  
PU030336  
Customer No. 24498

**Remarks/Arguments**

Claims 1, 3 and 14 are amended. The amendments to claims 3 and 14 more clearly show the mathematical relationships therein. Regarding claim 3, the expression "PI" has been amended to the more universally accepted symbol " $\pi$ " and the expression "cosine" has been amended to "cos."

**Claim Rejections – 35 USC 102**

Claims 1, 4, 5, 7, and 8 are rejected as being anticipated by Ioka (US6558006).

**Amended claim 1**

Applicants amend claim 1 and assert that amended claim 1 and its dependent claims 4, 5, 7, and 8 are not anticipated by Ioka. These claims now include, *inter alia*, that the image processor which is coupled to first and second projectors "adjusts said brightness of said first and said second image portions according to a quadratic relationship."

Previously presented claim 1 specifically stands rejected based on subject matter contained in Ioka at col. 10, line 58 to col. 11, line 8. Ioka states:

"As to the geometric deformation functions, furthermore, in a case where the inputs to the projectors are flat images and the projection screen is also a flat surface, if a straight line in an input image is projected in a straight line on the screen on the output side, then quadratic projection transformations

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such as indicated below in formulas (1) and (2) are established between the input and output."

Ioka only discloses that the "geometric deformation" of the images are compensated for by "quadratic projection transformations." Here, "geometric deformation" suggests a type of deformation where an image is distorted in terms of shape and not in terms of brightness.

Applicants amend claim 1 to more clearly distinguish claim 1 and its dependent claims from Ioka such that the quadratic relationship disclosed in Applicants' rejection claims applies to brightness and does not necessarily apply to "geometric deformation."

In light of the amendment to claim 1, Applicants request reconsideration of the rejection to claims 1, 4, 5, 7 and 8.

#### **Claim Rejections – 35 USC 103**

Claim 6 is rejected as being unpatentable over Ioka (US6558006) in view of Dorbie (US6545685).

#### **Claim 6**

Claim 6 which is rejected under 35 USC 103 depends on amended claim 1, and as such, dependent claim 6 includes the subject matter of claim 1. Therefore, in light of the assertions that Applicants advanced above regarding patentability of amended claim 1, claim 6 is also believed to be patentable.

In light of the above, reconsideration of claim 6 is requested.

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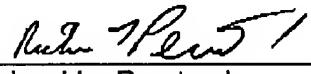
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### Conclusion

In view of the arguments presented herein, the application is considered to be in condition for allowance. Reconsideration and passage to issue is respectfully requested. If the Examiner has any questions or comments that would facilitate the disposition or resolution of the issues, he is respectfully requested to contact the undersigned at 609-734-6816.

Please charge the one-month extension fee to Deposit Account No. 07-0832.  
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Respectfully submitted,  
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